=> FILE REG
FILE 'REGISTRY' ENTERED AT 10:19:24 ON 01 AUG 2007

=> D HIS

FILE 'LREGISTRY' ENTERED AT 09:37:30 ON 01 AUG 2007
L1 STR

FILE 'REGISTRY' ENTERED AT 09:39:57 ON 01 AUG 2007
L2 SCR 2043
L3 STR L1
L4 50 S L3 AND L2
L5 6199 S L3 AND L2 FUL
SAV L5 SES248/A

FILE 'HCA' ENTERED AT 09:43:59 ON 01 AUG 2007
L6 3568 S L5
L7 158174 S (LIQ# OR LIQUID?)(2A)CRYST? OR LCD OR L(W)C(W)D OR (L(W
L8 183 S L6 AND L7

FILE 'LREGISTRY' ENTERED AT 09:44:18 ON 01 AUG 2007
L9 STR
E ACRYLIC ACID/CN
L10 1 S E3
E METHACRYLIC ACID/CN
L11 1 S E3
E OXIRANE/CN
L12 1 S E3
E METHYLOXIRANE/CN
L13 1 S E3
L14 216 S 79-10-7/CRN
L15 183 S 79-41-4/CRN
L16 67 S 75-21-8/CRN
L17 50 S 75-56-9/CRN

FILE 'REGISTRY' ENTERED AT 09:50:52 ON 01 AUG 2007
L18 106466 S L14 OR L15
L19 34171 S L16 OR L17
L20 4759 S L18 AND L19
L21 71 S L20 AND L5

L22 50 S L9 SSS SAM SUB=L5

FILE 'LREGISTRY' ENTERED AT 09:52:57 ON 01 AUG 2007
L23 6 S L9
L24 120 S L9 FUL
E POLYETHER/PCT
L25 874 S E3
L26 6 S L24 AND L25
E (C2 H4 O)N C4 H6 O2/MF
L27 2 S E3
L28 1 S L26 AND L27
L29 0 S 25736-86-1/CRN
E (C2 H4 O)N C3 H4 O2/MF
L30 1 S E3
L31 0 S 26403-58-7/CRN

FILE 'REGISTRY' ENTERED AT 09:58:20 ON 01 AUG 2007
L32 2709 S L29 OR L31
L33 175 S L32 AND L5

FILE 'HCA' ENTERED AT 09:59:53 ON 01 AUG 2007
L34 57 S L21
L35 149 S L33
L36 29 S (L34 OR L35) AND L7

FILE 'LREGISTRY' ENTERED AT 10:00:27 ON 01 AUG 2007
L37 STR

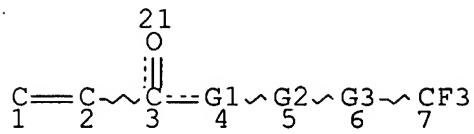
FILE 'REGISTRY' ENTERED AT 10:10:04 ON 01 AUG 2007
L38 50 S L37 SSS SAM SUB=L5
L39 2090 S L37 SSS FUL SUB=L5
L40 14 S L39 AND L21
L41 50 S L39 AND L33

FILE 'HCA' ENTERED AT 10:11:51 ON 01 AUG 2007
L42 7 S L40
L43 42 S L41
L44 4 S (L42 OR L43) AND L7
L45 25 S L36 NOT L44
L46 0 S 1840-2003/PY,PRY AND L44
L47 7 S 1840-2003/PY,PRY AND L45

FILE 'REGISTRY' ENTERED AT 10:17:35 ON 01 AUG 2007
L48 63 S L40 OR L41
L49 245 S L21 OR L33

FILE 'REGISTRY' ENTERED AT 10:19:24 ON 01 AUG 2007

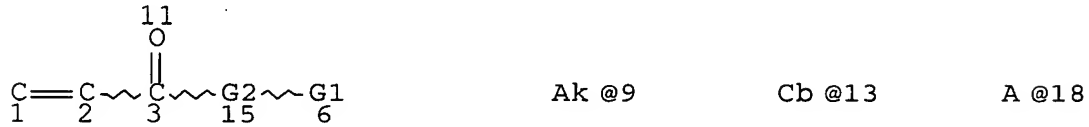
=> D L39 QUE STAT
L2 SCR 2043
L3 STR



VAR G1=O/S/N
REP G2=(1-8) CH2
REP G3=(1-8) CF2
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 8

STEREO ATTRIBUTES: NONE
L5 6199 SEA FILE=REGISTRY SSS FUL L3 AND L2
L37 STR



VAR G1=9/13
REP G2=(1-10) 18
NODE ATTRIBUTES:
NSPEC IS RC AT 18
CONNECT IS E1 RC AT 9
CONNECT IS E1 RC AT 13
DEFAULT MLEVEL IS ATOM
GGCAT IS SAT AT 9
GGCAT IS SAT AT 13
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS M4 C AT 9

ECOUNT IS M4 C AT 13

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 9

STEREO ATTRIBUTES: NONE
L39 2090 SEA FILE=REGISTRY SUB=L5 SSS FUL L37

100.0% PROCESSED 6167 ITERATIONS 2090 ANSWERS
SEARCH TIME: 00.00.01

=> FILE HCA
FILE 'HCA' ENTERED AT 10:20:11 ON 01 AUG 2007

=> D L47 1-7 BIB ABS HITSTR HITIND

L47 ANSWER 1 OF 7 HCA COPYRIGHT 2007 ACS on STN
AN 142:400693 HCA Full-text
TI Fluoropolymer compositions for antisoiling optical members, and image display devices
IN Obayashi, Tatsuhiko
PA Fuji Photo Film Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 37 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2005097371	A	20050414	JP 2003-330636	200309 22 <--
PRAI JP 2003-330636			20030922 <--	

AB The compns. are used for optical members (e.g., antireflective films, optical waveguides) having fine profile structures and F on their surfaces. The compns. give antireflective films showing good scratch resistance, useful for **liq. crystal** displays.

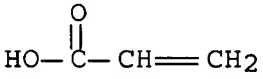
IT **849819-47-2**, Ethylene oxide-1H,1H-heptadecafluorononyl acrylate graft copolymer acrylate
(comprised of actual and assumed monomers; fluoropolymer compns. for antisoiling optical members of image display devices)

RN 849819-47-2 HCA

CN 2-Propenoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononyl ester, polymer with oxirane, 2-propenoate, graft (9CI) (CA INDEX NAME)

CM 1

CRN 79-10-7
CMF C3 H4 O2

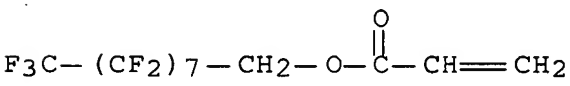


CM 2

CRN 849819-46-1
CMF (C12 H5 F17 O2 . C2 H4 O)x
CCI PMS

CM 3

CRN 307-87-9
CMF C12 H5 F17 O2



CM 4

CRN 75-21-8

CMF C2 H4 O

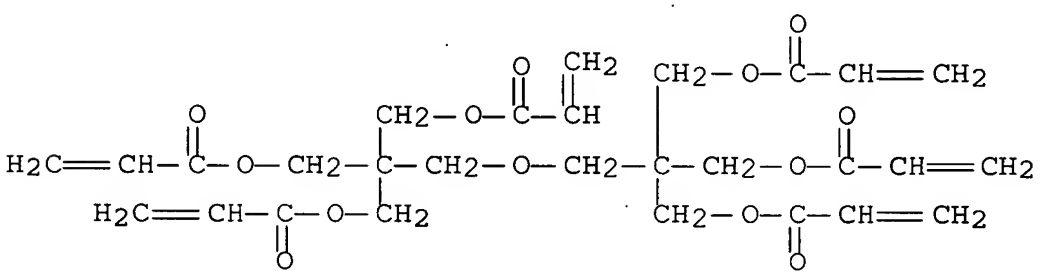
IT **849824-56-2P**, 1H,1H-Nonafluoropentyl acrylate-polyethylene glycol monoacrylate graft copolymer carbamate ester with 2-isocyanatoethyl methacrylate, polymer with DPHA and 2-hydroxyethyl methacrylate-isobornyl methacrylate-methyl methacrylate copolymer carbamate ester with Karenzu MOI **849824-59-5P** **849824-61-9P**, 1H,1H-Nonafluoropentyl acrylate-polyethylene glycol monoacrylate graft copolymer carbamate ester with 2-isocyanatoethyl methacrylate, polymer with DPHA and 2-hydroxyethyl vinyl ether-hexafluoropropylene copolymer acrylate
(fluoropolymer compns. for antisoiling optical members of image display devices)

RN 849824-56-2 HCA

CN 2-Propenoic acid, 2-[[3-[(1-oxo-2-propenyl)oxy]-2,2-bis[[(1-oxo-2-propenyl)oxy]methyl]propoxy]methyl]-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-hydroxyethyl 2-methyl-2-propenoate polymer with methyl 2-methyl-2-propenoate and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate [2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]carbamate, and 2,2,3,3,4,4,5,5,5-nonafluoropentyl 2-propenoate graft polymer with α-(1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl) [2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]carbamate (9CI) (CA INDEX NAME)

CM 1

CRN 29570-58-9
CMF C28 H34 O13

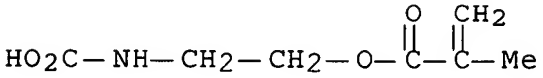


CM 2

CRN 849824-53-9
CMF (C8 H5 F9 O2 . (C2 H4 O)n C3 H4 O2)x . x C7 H11 N O4

CM 3

CRN 96571-20-9
CMF C7 H11 N O4

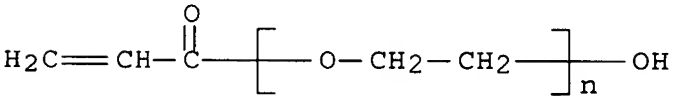


CM 4

CRN 849824-52-8
CMF (C8 H5 F9 O2 . (C2 H4 O)n C3 H4 O2)x
CCI PMS

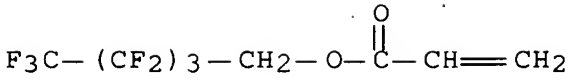
CM 5

CRN 26403-58-7
CMF (C2 H4 O)n C3 H4 O2
CCI PMS



CM 6

CRN 308-26-9
CMF C8 H5 F9 O2

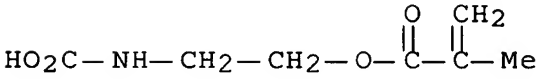


CM 7

CRN 535926-16-0
CMF (C14 H22 O2 . C6 H10 O3' . C5 H8 O2)x . x C7 H11 N O4

CM 8

CRN 96571-20-9
CMF C7 H11 N O4



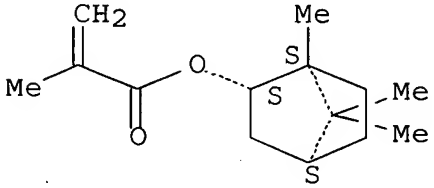
CM 9

CRN 501917-98-2
CMF (C14 H22 O2 . C6 H10 O3 . C5 H8 O2)x
CCI PMS

CM 10

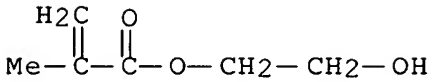
CRN 7534-94-3
CMF C14 H22 O2

Relative stereochemistry.



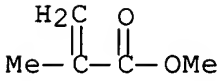
CM 11

CRN 868-77-9
CMF C6 H10 O3



CM 12

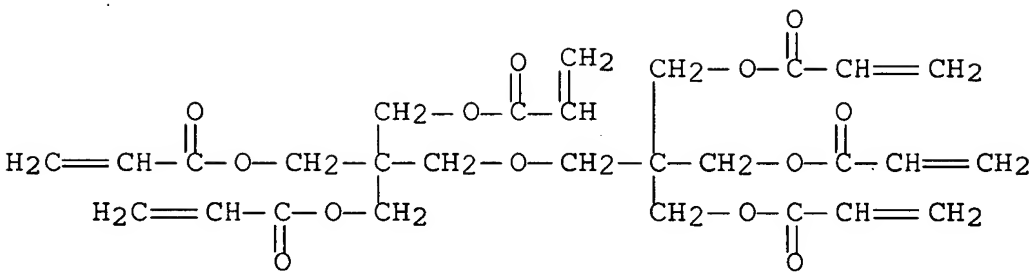
CRN 80-62-6
CMF C5 H8 O2



RN 849824-59-5 HCA
CN 2-Propenoic acid, 2-[[3-[(1-oxo-2-propenyl)oxy]-2,2-bis[[(1-oxo-2-propenyl)oxy]methyl]propoxy]methyl]-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononyl 2-propenoate graft polymer with α-(1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl) 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 29570-58-9
CMF C28 H34 O13

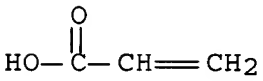


CM 2

CRN 849824-58-4
CMF (C12 H5 F17 O2 . (C2 H4 O)n C3 H4 O2)x . x C3 H4 O2

CM 3

CRN 79-10-7
CMF C3 H4 O2

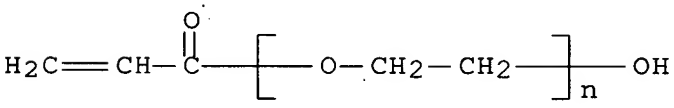


CM 4

CRN 849824-57-3
CMF (C12 H5 F17 O2 . (C2 H4 O)n C3 H4 O2)x
CCI PMS

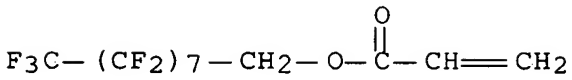
CM 5

CRN 26403-58-7
CMF (C2 H4 O)n C3 H4 O2
CCI PMS



CM 6

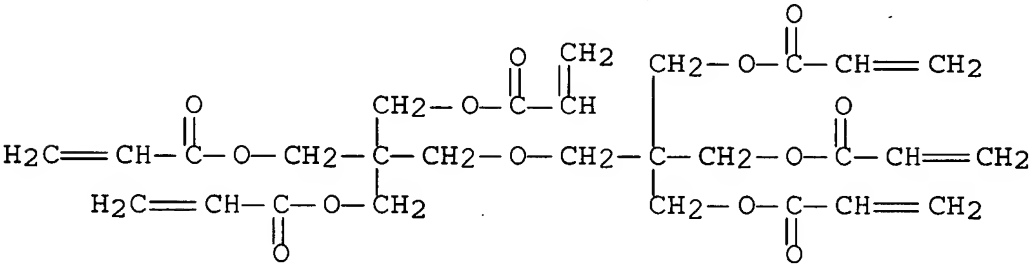
CRN 307-87-9
CMF C12 H5 F17 O2



RN 849824-61-9 HCA
CN 2-Propenoic acid, 2-[[3-[(1-oxo-2-propenyl)oxy]-2,2-bis[[(1-oxo-2-propenyl)oxy]methyl]propoxy]methyl]-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with 2-(ethenyloxy)ethanol polymer with 1,1,2,3,3,3-hexafluoro-1-propene 2-propenoate, and 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononyl 2-propenoate graft polymer with α-(1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl) [2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]carbamate (9CI) (CA INDEX NAME)

CM 1

CRN 29570-58-9
CMF C28 H34 O13

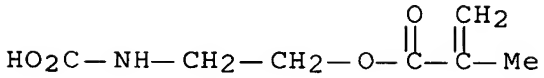


CM 2

CRN 849824-60-8
CMF (C12 H5 F17 O2 . (C2 H4 O)n C3 H4 O2)x . x C7 H11 N O4

CM 3

CRN 96571-20-9
CMF C7 H11 N O4

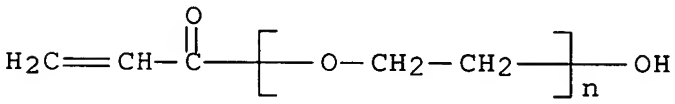


CM 4

CRN 849824-57-3
CMF (C12 H5 F17 O2 . (C2 H4 O)n C3 H4 O2)x
CCI PMS

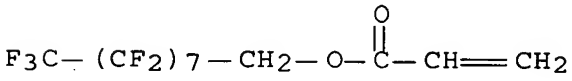
CM 5

CRN 26403-58-7
CMF (C2 H4 O)n C3 H4 O2
CCI PMS



CM 6

CRN 307-87-9
CMF C12 H5 F17 O2

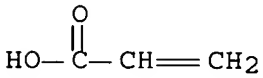


CM 7

CRN 655247-42-0
CMF (C4 H8 O2 . C3 F6)x . x C3 H4 O2

CM 8

CRN 79-10-7
CMF C3 H4 O2

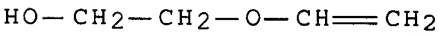


CM 9

CRN 613687-03-9
CMF (C4 H8 O2 . C3 F6)x
CCI PMS

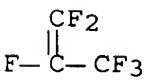
CM 10

CRN 764-48-7
CMF C4 H8 O2



CM 11

CRN 116-15-4
CMF C3 F6



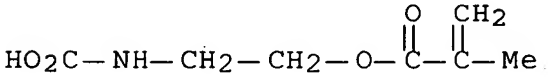
IT **849824-53-9**, 1H,1H-Nonafluoropentyl acrylate-polyethylene glycol monoacrylate-graft copolymer carbamate ester with 2-isocyanatoethyl methacrylate **849824-58-4**, 1H,1H-Heptadecafluorononyl acrylate-polyethylene glycol monoacrylate graft copolymer acrylate
(fluoropolymer compns. for antisoiling optical members of image display devices)

RN 849824-53-9 HCA

CN 2-Propenoic acid, 2,2,3,3,4,4,5,5,5-nonafluoropentyl ester, polymer with α-(1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl), [2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]carbamate, graft (9CI) (CA INDEX NAME)

CM 1

CRN 96571-20-9
CMF C7 H11 N O4

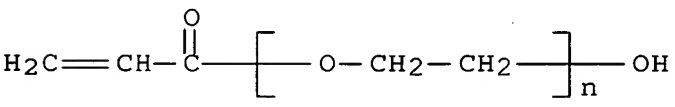


CM 2

CRN 849824-52-8
CMF (C8 H5 F9 O2 . (C2 H4 O)n C3 H4 O2)x
CCI PMS

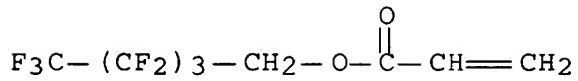
CM 3

CRN 26403-58-7
CMF (C2 H4 O)n C3 H4 O2
CCI PMS



CM 4

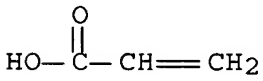
CRN 308-26-9
CMF C8 H5 F9 O2



RN 849824-58-4 HCA
CN 2-Propenoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononyl ester, polymer with α-(1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl), 2-propenoate, graft (9CI) (CA INDEX NAME)

CM 1

CRN 79-10-7
CMF C3 H4 O2

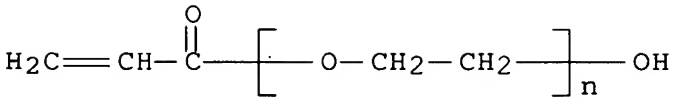


CM 2

CRN 849824-57-3
CMF (C12 H5 F17 O2 . (C2 H4 O)n C3 H4 O2)x
CCI PMS

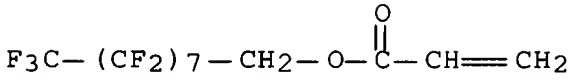
CM 3

CRN 26403-58-7
CMF (C2 H4 O)n C3 H4 O2
CCI PMS



CM 4

CRN 307-87-9
CMF C12 H5 F17 O2



IC ICM C08L101-00
ICS C08K005-00; G02B001-04; G02B001-11; G02B005-18; G02B005-30; G02F001-1335; H05B033-02; H05B033-14

CC 74-13 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
Section cross-reference(s): 38, 73

ST fluoropolymer optical waveguide antireflective device image display; polyoxypropylene decafluoroheptyl acrylate isocyanatoethyl methacrylate polymer; profile pattern acrylic fluoropolymer polyoxyalkylene **LCD**

IT Antireflective films
Lenses
Liquid crystal displays
Optical disks
Optical imaging devices
Optical instruments
Optical waveguides
Polarizers
(fluoropolymer compns. for antisoiling optical members of image display devices)

IT **849819-47-2**, Ethylene oxide-1H,1H-heptadecafluorononyl acrylate graft copolymer acrylate 849824-55-1, Ethylene oxide-1H,1H-nonafluoropentyl acrylate graft copolymer carbamate ester with 2-isocyanatoethyl methacrylate
(comprised of actual and assumed monomers; fluoropolymer compns. for antisoiling optical members of image display devices)

IT 849824-50-6P, Blemmer AP 400-1H,1H,7H-dodecafluoroheptyl acrylate

graft copolymer carbamate ester with 2-isocyanatoethyl methacrylate, polymer with DPHA 849824-51-7P, Blemmer AP 400-1H,1H,7H-dodecafluoroheptyl acrylate graft copolymer carbamate ester with 2-isocyanatoethyl methacrylate, polymer with DPHA and 2-hydroxyethyl methacrylate-isobornyl methacrylate-methyl methacrylate copolymer carbamate ester with Karenzu MOI **849824-56-2P**, 1H,1H-Nonafluoropentyl acrylate-polyethylene glycol monoacrylate graft copolymer carbamate ester with 2-isocyanatoethyl methacrylate, polymer with DPHA and 2-hydroxyethyl methacrylate-isobornyl methacrylate-methyl methacrylate copolymer carbamate ester with Karenzu MOI **849824-59-5P 849824-61-9P**, 1H,1H-Nonafluoropentyl acrylate-polyethylene glycol monoacrylate graft copolymer carbamate ester with 2-isocyanatoethyl methacrylate, polymer with DPHA and 2-hydroxyethyl vinyl ether-hexafluoropropylene copolymer acrylate
(fluoropolymer compns. for antisoiling optical members of image display devices)

IT **849824-53-9**, 1H,1H-Nonafluoropentyl acrylate-polyethylene glycol monoacrylate-graft copolymer carbamate ester with 2-isocyanatoethyl methacrylate **849824-58-4**, 1H,1H-Heptadecafluorononyl acrylate-polyethylene glycol monoacrylate graft copolymer acrylate
(fluoropolymer compns. for antisoiling optical members of image display devices)

L47 ANSWER 2 OF 7 HCA COPYRIGHT 2007 ACS on STN
AN 141:96793 HCA Full-text
TI Optical compensating sheet and polarizing plate for **liquid crystal** display
IN Ito, Youji; Yasuda, Tomokazu; Fukagawa, Nobutaka; Tanaka, Makoto; Mihayashi, Keiji
PA Fuji Photo Film Co., Ltd., Japan; Ito Youji
SO PCT Int. Appl., 153 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004055558	A1	20040701	WO 2003-JP16128	200312 16

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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,

GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

JP 2004198511 A 20040715 JP 2002-364034
200212
16

JP 2004294667 A 20041021 JP 2003-85455
200303
26

AU 2003288751 A1 20040709 AU 2003-288751
200312
16
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EP 1573373 A1 20050914 EP 2003-780806
200312
16
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

CN 1726413 A 20060125 CN 2003-80106265
200312
16
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US 2006040070 A1 20060223 US 2005-535248
200505
18
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PRAI JP 2002-364034 A 20021216 <--
JP 2003-85455 A 20030326 <--
WO 2003-JP16128 W 20031216 <--

AB The present invention provides a method for producing an optical compensating sheet, comprising a step of simultaneously coating at least two coating solns. on a transparent support, wherein at least one of the coating solns. simultaneously coated in that step contains a **liq. cryst.** compd. and another coating soln. contains a surface active agent; an optical compensating sheet obtained by this method; an optical film comprising a support having thereon an optically anisotropic layer formed contg. a **liq. cryst.** compd. and a fluoroaliph. group-contg. copolymer contg. a repeating unit derived from a fluoroaliph. group-contg. (meth)acrylate monomer and a repeating unit derived from a polyoxyalkylene (meth)acrylate monomer; and a polarizing plate and a **liq. crystal** display device each using the optical

compensating sheet or optical film. The object of the present invention is to provide an optical compensating sheet comprising a support having thereon a **liq** . **cryst.** compd.-contg. layer, which is free of unevenness and favored with excellent optical uniformity in the sheet plane, and a **liq. crystal** display producing an image of high quality without causing unevenness even in large size.

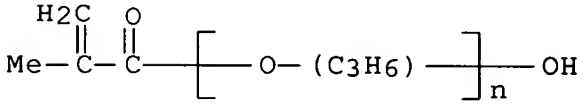
IT **602299-31-0 714959-32-7**
(surface active agent; optical compensating sheet and polarizing plate for **liq. crystal** display)

RN 602299-31-0 HCA

CN 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,6-nonafluorohexyl ester, polymer with α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)] and α-(1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

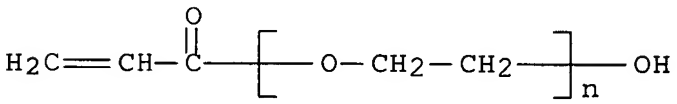
CM 1

CRN 39420-45-6
CMF (C3 H6 O)n C4 H6 O2
CCI IDS, PMS



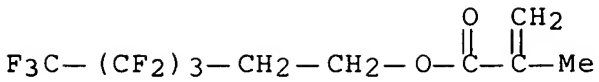
CM 2

CRN 26403-58-7
CMF (C2 H4 O)n C3 H4 O2
CCI PMS



CM 3

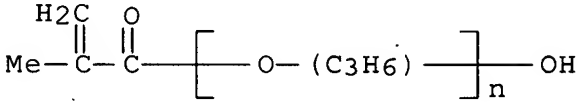
CRN 1799-84-4
CMF C10 H9 F9 O2



RN 714959-32-7 HCA
CN 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester, polymer with α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)] and α-(1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

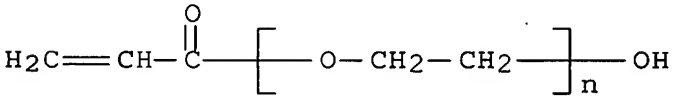
CM 1

CRN 39420-45-6
CMF (C3 H6 O)n C4 H6 O2
CCI IDS, PMS



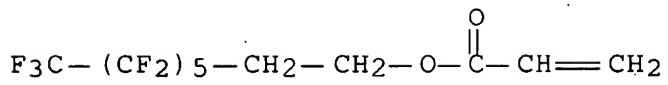
CM 2

CRN 26403-58-7
CMF (C2 H4 O)n C3 H4 O2
CCI PMS



CM 3

CRN 17527-29-6
CMF C11 H7 F13 O2



IC ICM G02B005-30
ICS G02F001-1335
CC 74-13 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
ST optical compensating sheet polarizing plate **liq crystal** display
IT **Liquid crystal** displays
Polarizers
(optical compensating sheet and polarizing plate for **liq . crystal** display)
IT Fluoropolymers, uses
(optical compensating sheet and polarizing plate for **liq . crystal** display)
IT 9004-36-8, CAB 551
(CAB 551, CAB 531-1; optical compensating sheet and polarizing plate for **liq. crystal** display)
IT 28961-43-5, V 360
(V-360; optical compensating sheet and polarizing plate for **liq. crystal** display)
IT 66230-67-9, ZLI 1132
(ZLI 1132; optical compensating sheet and polarizing plate for **liq. crystal** display)
IT 115-86-6, Triphenyl phosphate 9004-35-7, Cellulose acetate 9012-09-3, Cellulose triacetate 60842-32-2, Aerosil R972 60893-79-0, Biphenyl diphenyl phosphate 174079-42-6
(optical compensating sheet and polarizing plate for **liq . crystal** display)
IT 405226-47-3 601490-04-4 **602299-31-0** 714959-30-5 714959-31-6 **714959-32-7**
(surface active agent; optical compensating sheet and polarizing plate for **liq. crystal** display)
RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L47 ANSWER 3 OF 7 HCA COPYRIGHT 2007 ACS on STN
AN 141:44942 HCA Full-text
TI Antireflective films for protective films of polarizers and display devices
IN Ibuki, Shuntaro; Yasuda, Tomokazu
PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 68 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004163610	A	20040610	JP 2002-328573	200211 12

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PRAI JP 2002-328573 20021112 <--

AB The antireflective films comprise transparent substrates and multilayer functional layers with different n including fluoroaliph. group-contg. copolymer layers prepd. from HC:CR1COX(CH2)m(CF2CF2)nF (R1 = H, Me; X = O, S, NR2; R2 = H, C1-4 alkyl; m = 1-6; n = 1-3), poly(oxyalkylene) (meth)acrylates, and optionally HC:CR3COYR4 (R3 = H, Me; Y = divalent linkage group; R4 = C4-20 alkyl). The antireflective films show good surface smoothness and scratch resistance and are useful for **liq. crystal** displays, org. EL displays, etc.

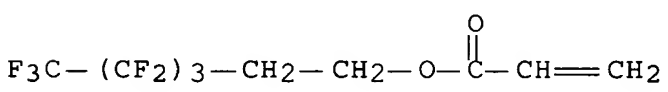
IT **451478-73-2 451478-74-3 657429-11-3,**
Megafac F 780F
(antireflective films for protective films of polarizers and display devices)

RN 451478-73-2 HCA

CN 2-Propenoic acid, 3,3,4,4,5,5,6,6,6-nonafluorohexyl ester, polymer with α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl) and α-(1-oxo-2-propenyl)-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)], graft (9CI) (CA INDEX NAME)

CM 1

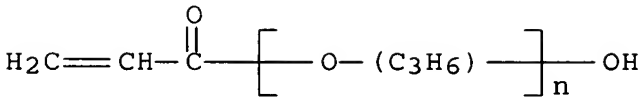
CRN 52591-27-2
CMF C9 H7 F9 O2



CM 2

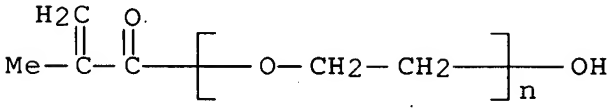
CRN 50858-51-0
CMF (C3 H6 O)n C3 H4 O2

CCI IDS, PMS



CM 3

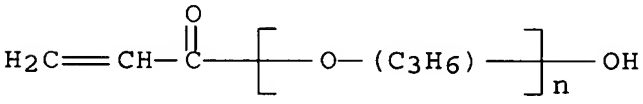
CRN 25736-86-1
CMF (C2 H4 O)n C4 H6 O2
CCI PMS



RN 451478-74-3 HCA
CN 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester, polymer with α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl) and α-(1-oxo-2-propenyl)-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)], graft (9CI) (CA INDEX NAME)

CM 1

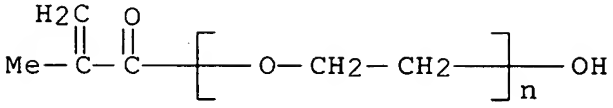
CRN 50858-51-0
CMF (C3 H6 O)n C3 H4 O2
CCI IDS, PMS



CM 2

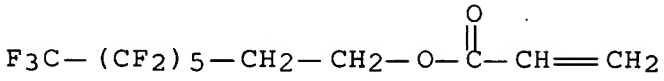
CRN 25736-86-1

CMF (C2 H4 O)n C4 H6 O2
CCI PMS



CM 3

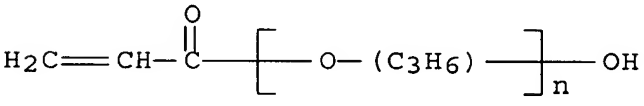
CRN 17527-29-6
CMF C11 H7 F13 O2



RN 657429-11-3 HCA
CN 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester, polymer with α-(1-oxo-2-propen-1-yl)-ω-hydroxypoly(oxy-1,2-ethanediyl) and α-(1-oxo-2-propen-1-yl)-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)], graft (CA INDEX NAME)

CM 1

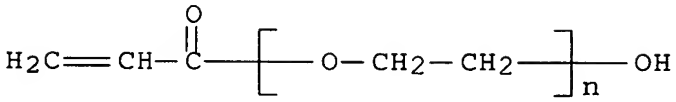
CRN 50858-51-0
CMF (C3 H6 O)n C3 H4 O2
CCI IDS, PMS



CM 2

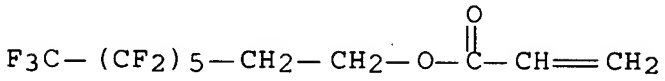
CRN 26403-58-7

CMF (C2 H4 O)n C3 H4 O2
CCI PMS



CM 3

CRN 17527-29-6
CMF C11 H7 F13 O2



IC ICM G02B001-11
ICS B32B027-30; G02B005-30; G02F001-1335; G09F009-00
CC 74-13 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
Section cross-reference(s): 38, 73
ST antireflective film polarizer display acrylic fluoropolymer polyoxyalkylene; perfluorobutylethyl acrylate polyoxyethylene polymer graft antireflective film; acetyl cellulose antireflective film **LCD** EL
IT Antireflective films
Liquid crystal displays
Optical imaging devices
Polarizers
(antireflective films for protective films of polarizers and display devices)
IT 9012-09-3, TAC TD80U 451462-62-7 451462-64-9 451462-65-0 451462-67-2 451478-65-2 **451478-73-2 451478-74-3 657429-11-3**, Megafac F 780F 702686-08-6
(antireflective films for protective films of polarizers and display devices)

L47 ANSWER 4 OF 7 HCA COPYRIGHT 2007 ACS on STN
AN 140:431541 HCA Full-text
TI Photosensitive transfer material for forming color filters for

liquid crystal displays
IN Hatakeyama, Akira
PA Fuji Photo Film Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKXXAF
DT Patent
LA Japanese.
FAN.CNT 1

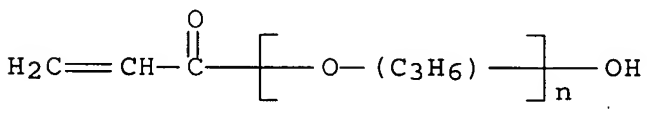
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2004151506	A	20040527	JP 2002-318138	200210 31
		<--		
PRAI JP 2002-318138		20021031 <--		

AB The material comprises, successively on a temporary support, a thermoplastic resin layer, an alkali-sol. intermediate layer, and an alkali-sol. photosensitive resin layer contg. pigments, wherein the difference in dispersion force component of surface free energy between the intermediate layer (γm) and the thermoplastic resin layer (γp) is ≥10 erg/cm2. Preferably, the intermediate layer contains polyvinyl alc. and/or polymer latexes. The temporary support and the thermoplastic resin layer can be simultaneously peeled off the intermediate layer with small force prior to exposure with light.

IT **657429-11-3**, Megafac F 780F
(surfactant, thermoplastic resin layer component; photosensitive transfer material for forming color filters for **liq. crystal** displays)
RN 657429-11-3 HCA
CN 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester, polymer with α-(1-oxo-2-propen-1-yl)-ω-hydroxypoly(oxy-1,2-ethanediyl) and α-(1-oxo-2-propen-1-yl)-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)], graft (CA INDEX NAME)

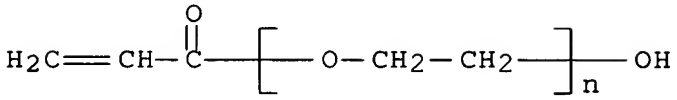
CM 1

CRN 50858-51-0
CMF (C3 H6 O)n C3 H4 O2
CCI IDS, PMS



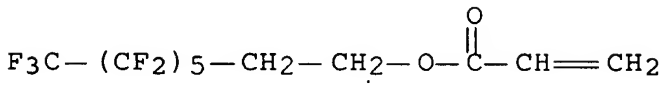
CM 2

CRN 26403-58-7
CMF (C2 H4 O)n C3 H4 O2
CCI PMS



CM 3

CRN 17527-29-6
CMF C11 H7 F13 O2



IC ICM G03F007-11
ICS G02B005-20
CC 74-13 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
Section cross-reference(s): 38
ST photosensitive transfer material manuf color filter **LCD**; **liq crystal** display color filter manuf
photoimaging transfer
IT **Liquid crystal** displays
(color filters of; photosensitive transfer material for forming color filters for **liq. crystal** displays)
IT Optical filters
(of **liq. crystal** displays; photosensitive transfer material for forming color filters for **liq. crystal** displays)
IT Fluoropolymers, uses
(parting agent, intermediate layer component; photosensitive transfer material for forming color filters for **liq. crystal** displays)
IT Surface free energy

Transfers
(photosensitive transfer material for forming color filters for **liq. crystal** displays)

IT Polyesters, uses
(temporary support; photosensitive transfer material for forming color filters for **liq. crystal** displays)

IT Polyesters, uses
(thermoplastic resin layer component; photosensitive transfer material for forming color filters for **liq. crystal** displays)

IT Photoimaging materials
(transfer; photosensitive transfer material for forming color filters for **liq. crystal** displays)

IT 9002-88-4
(Poriron A, wax, intermediate layer component; photosensitive transfer material for forming color filters for **liq. crystal** displays)

IT 9003-39-8, PVP-K 30 122463-72-3, PVA 205
(intermediate layer component; photosensitive transfer material for forming color filters for **liq. crystal** displays)

IT 9002-89-5, Polyvinyl alcohol
(intermediate layer component; photosensitive transfer material for forming color filters for **liq. crystal** displays)

IT 9003-32-1, Ethyl acrylate homopolymer
(latex, intermediate layer component; photosensitive transfer material for forming color filters for **liq. crystal** displays)

IT 642087-27-2, Modiper F 2020
(parting agent, intermediate layer component; photosensitive transfer material for forming color filters for **liq. crystal** displays)

IT 29570-58-9, Dipentaerythritol hexaacrylate 65697-21-4, Benzyl methacrylate-methacrylic acid copolymer
(photosensitive layer component; photosensitive transfer material for forming color filters for **liq. crystal** displays)

IT **657429-11-3**, Megafac F 780F
(surfactant, thermoplastic resin layer component; photosensitive transfer material for forming color filters for **liq. crystal** displays)

IT 25038-59-9, Polyethylene terephthalate, uses
(temporary support; photosensitive transfer material for forming color filters for **liq. crystal** displays)

IT 25085-34-1, Acrylic acid-styrene copolymer 41637-38-1, BPE 500

118550-59-7, Vylon 220 120659-23-6, Benzyl methacrylate-2-ethylhexyl acrylate-methacrylic acid-methyl methacrylate copolymer 207004-71-5, Desmolac 4200
(thermoplastic resin layer component; photosensitive transfer material for forming color filters for **liq. crystal** displays)

L47 ANSWER 5 OF 7 HCA COPYRIGHT 2007 ACS on STN
AN 140:312017 HCA Full-text
TI Color resist compositions containing polymeric fluorosurfactants
IN Suzuki, Hidenari; Takano, Kiyoshi
PA Dainippon Ink and Chemicals, Inc., Japan
SO Jpn. Kokai Tokkyo Koho, 25 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

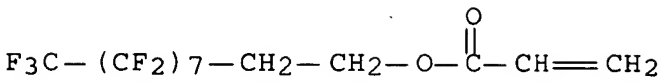
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2004109179	A	20040408	JP 2002-268142	200209 13
		<--		
PRAI JP 2002-268142		20020913 <--		

AB The compns., which show good spin coating workability and are useful for manuf. of color filters for **liq. crystal** displays, etc., contain polymeric fluorosurfactants prepd. by polymg. monomer mixts. contg. (A) fluoroalkyl-contg. ethylenically-unsatd. monomers, (B) basic group-contg. ethylenically-unsatd. monomers, wherein content of (B) in the mixts. is 5-70%. The monomer mixts. may addnl. contain (C) silicone chain-contg. ethylenically-unsatd. monomers and/or (D) branched aliph. group-contg. ethylenically-unsatd. monomers, and (E) polyoxyalkylene-contg. ethylenically-unsatd. monomers.

IT **676603-45-5P**
(color resist compns. with good spin coating workability contg. fluorosurfactants prepd. from fluoroalkyl-contg. monomers and basic group-contg. monomers as essential constituents)
RN 676603-45-5 HCA
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, methyl 2-methyl-2-propenoate, methyloxirane, oxirane, oxybis(2,1-ethanediyloxy-2,1-ethanediyl) di-2-propenoate, 2-propenoic acid and 3-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]disiloxanyl]propyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

CM 1

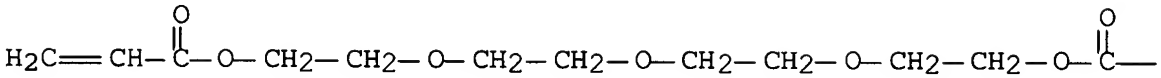
CRN 27905-45-9
CMF C13 H7 F17 O2



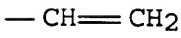
CM 2

CRN 17831-71-9
CMF C14 H22 O7

PAGE 1-A

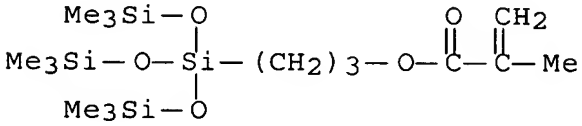


PAGE 1-B



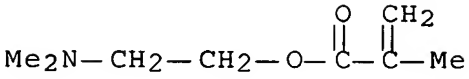
CM 3

CRN 17096-07-0
CMF C16 H38 O5 Si4



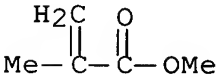
CM 4

CRN 2867-47-2
CMF C8 H15 N O2



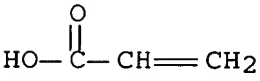
CM 5

CRN 80-62-6
CMF C5 H8 O2



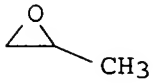
CM 6

CRN 79-10-7
CMF C3 H4 O2



CM 7

CRN 75-56-9
CMF C3 H6 O



CM 8

CRN 75-21-8
CMF C2 H4 O

IC ICM G03F007-004
ICS G02B005-20; C08F220-24; C08F220-34; C08F220-56; C08F226-06; C08F230-08; C08F290-06
CC 74-5 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
Section cross-reference(s): 73
ST resist compn polymeric fluorosurfactant **LCD** color filter; fluoroalkyl contg monomer fluorosurfactant color filter resist compn; **liq crystal** display color filter resist fluorosurfactant; basic group contg monomer fluorosurfactant color filter resist compn
IT **Liquid crystal** displays
(color filters for; color resist compns. with good spin coating workability contg. fluorosurfactants prepd. from fluoroalkyl-contg. monomers and basic group-contg. monomers as essential constituents)
IT 676603-38-6P 676603-39-7P 676603-40-0P 676603-41-1P 676603-42-2P 676603-43-3P 676603-44-4P **676603-45-5P** 676603-46-6P 676603-47-7P 676603-48-8P
(color resist compns. with good spin coating workability contg. fluorosurfactants prepd. from fluoroalkyl-contg. monomers and basic group-contg. monomers as essential constituents)

L47 ANSWER 6 OF 7 HCA COPYRIGHT 2007 ACS on STN
AN 139:401618 HCA Full-text
TI Image forming material
IN Goto, Hidenori
PA Japan

SO U.S. Pat. Appl. Publ., 17 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003215743	A1	20031120	US 2003-437885	200305 15 <--
JP 2003337424	A	20031128	JP 2002-144339	200205 20 <--

PRAI JP 2002-144339 A 20020520 <--

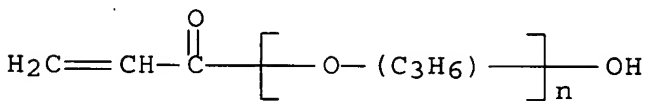
AB The present invention relates to an image forming material in which at least an alkali-sol. thermoplastic resin layer and a photosensitive resin layer are formed on a support in this order. At least the thermoplastic resin layer of the image forming material includes a copolymer comprising monomers represented by: (a) H2C=CR1-COO(CH2)nCmF2m+1 and (b) H2C=CR2-COO(CH2CHR3O)p-(CH2CH2O)qR4 (R1-3 = H, Me; R4 = H, C1-5 alkyl; n = 1-18; m = 2-14; p,q = 0-18, and p,p cannot be 0 simultaneously), a content ratio by mass of the monomers (a)/(b) is from 20/80 to 60/40.

IT **593259-12-2 625417-17-6 625417-18-7 625417-21-2**
(image forming material for **liq. crystal** display)

RN 593259-12-2 HCA
CN 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester, polymer with α-(1-oxo-2-propen-1-yl)-ω-hydroxypoly(oxy-1,2-ethanediyl) and α-(1-oxo-2-propen-1-yl)-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)] (CA INDEX NAME)

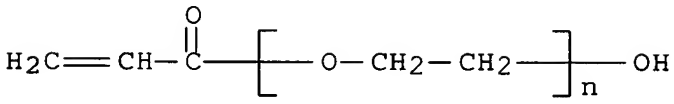
CM 1

CRN 50858-51-0
CMF (C3 H6 O)n C3 H4 O2
CCI IDS, PMS



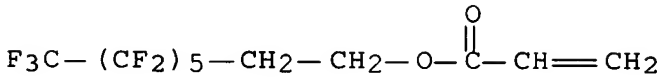
CM 2

CRN 26403-58-7
CMF (C2 H4 O)n C3 H4 O2
CCI PMS



CM 3

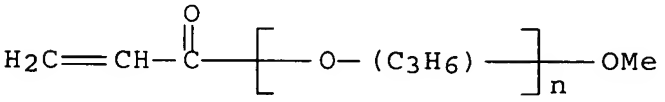
CRN 17527-29-6
CMF C11 H7 F13 O2



RN 625417-17-6 HCA
CN 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester, polymer with α-(1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl) and α-(1-oxo-2-propenyl)-ω-methoxypoly[oxy(methyl-1,2-ethanediyl)] (9CI) (CA INDEX NAME)

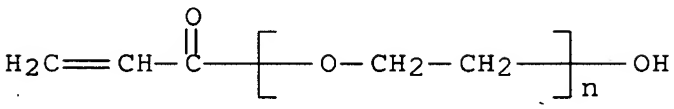
CM 1

CRN 83844-54-6
CMF (C3 H6 O)n C4 H6 O2
CCI IDS, PMS



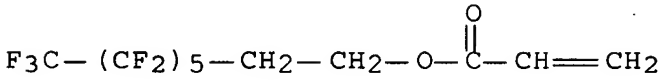
CM 2

CRN 26403-58-7
CMF (C2 H4 O)n C3 H4 O2
CCI PMS



CM 3

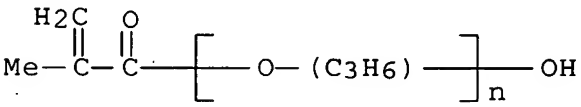
CRN 17527-29-6
CMF C11 H7 F13 O2



RN 625417-18-7 HCA
CN 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester, polymer with α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl) and α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)] (9CI) (CA INDEX NAME)

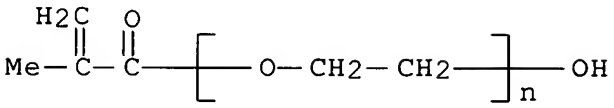
CM 1

CRN 39420-45-6
CMF (C3 H6 O)n C4 H6 O2
CCI IDS, PMS



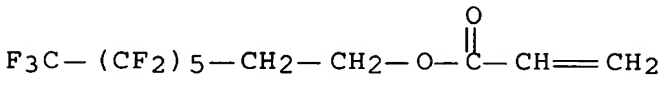
CM 2

CRN 25736-86-1
CMF (C2 H4 O)n C4 H6 O2
CCI PMS



CM 3

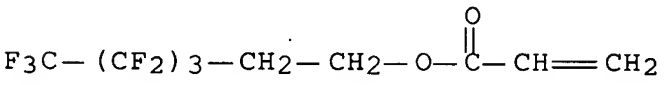
CRN 17527-29-6
CMF C11 H7 F13 O2



RN 625417-21-2 HCA
CN 2-Propenoic acid, 3,3,4,4,5,5,6,6,6-nonafluorohexyl ester, polymer with α-(1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl) and α-(1-oxo-2-propenyl)-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)] (9CI) (CA INDEX NAME)

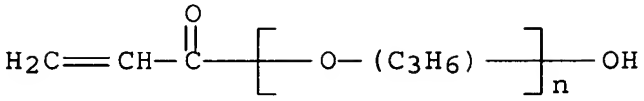
CM 1

CRN 52591-27-2
CMF C9 H7 F9 O2



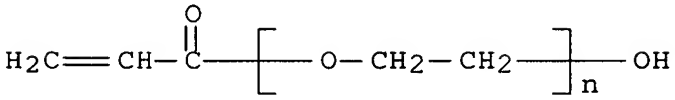
CM 2

CRN 50858-51-0
CMF (C3 H6 O)n C3 H4 O2
CCI IDS, PMS



CM 3

CRN 26403-58-7
CMF (C2 H4 O)n C3 H4 O2
CCI PMS



IC ICM G03F007-11
INCL 430271100
CC 74-13 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
Section cross-reference(s): 38
ST image material **liq crystal** display
IT Light-sensitive materials
Liquid crystal displays
(image forming material for **liq. crystal** display)
IT Plastics, uses
(thermoplastics; image forming material for **liq. crystal** display)
IT 593259-10-0 **593259-12-2** 625417-15-4 625417-16-5
625417-17-6 625417-18-7 625417-20-1
625417-21-2
(image forming material for **liq. crystal** display)

L47 ANSWER 7 OF 7 HCA COPYRIGHT 2007 ACS on STN
AN 139:44220 HCA Full-text

TI Image forming material containing specified polymer surfactant suitable for manufacturing **liquid crystal** display color filter

IN Suzuki, Tamotsu

PA Fuji Photo Film Co., Ltd., Japan

SO PCT Int. Appl., 80 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003050620	A1	20030619	WO 2002-JP11582	200211 06
		<--		
W: CN, KR				
JP 2003177519	A	20030627	JP 2001-380058	200112 13
		<--		
JP 3806028	B2	20060809		
JP 2003177520	A	20030627	JP 2001-380059	200112 13
		<--		
JP 3767806	B2	20060419		
JP 2003177521	A	20030627	JP 2001-380147	200112 13
		<--		
JP 3767807	B2	20060419		
JP 2003177522	A	20030627	JP 2001-380283	200112 13
		<--		
JP 3800512	B2	20060726		
JP 2003177523	A	20030627	JP 2001-380291	200112 13
		<--		
JP 3800513	B2	20060726		
CN 1527959	A	20040908	CN 2002-809795	200211 06

<--

TW 259813 B 20060811 TW 2002-91135908
200212
12

<--

PRAI JP 2001-380058 A 20011213 <--
JP 2001-380059 A 20011213 <--
JP 2001-380147 A 20011213 <--
JP 2001-380283 A 20011213 <--
JP 2001-380291 A 20011213 <--

AB An image forming material comprising, formed on a support in the order mentioned, at least an alkali-sol. thermoplastic resin layer and a photosensitive resin layer, characterized in that at least one of the thermoplastic resin layer and the photosensitive resin layer contains a copolymer contg. a specific monomer, whereby it is possible to provide an image forming material being at least free from coating unevenness, smooth in coating surface condition, and excellent in glass substrate bondability, or provide an image forming material having characteristics such as a uniform layer thickness, freedom from color unevenness, an excellent defoaming property free from foaming, and freedom from crawling or pin holes.

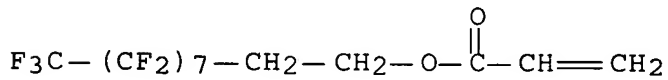
IT **130005-92-4 543725-94-6**
(surfactant; image forming material contg. specified polymer surfactant suitable for manufg. **liq. crystal** display color filter)

RN 130005-92-4 HCA

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate and α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

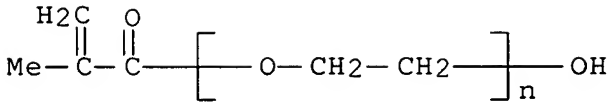
CM 1

CRN 27905-45-9
CMF C13 H7 F17 O2



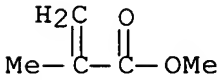
CM 2

CRN 25736-86-1
CMF (C2 H4 O)n C4 H6 O2
CCI PMS



CM 3

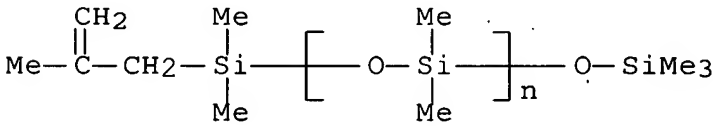
CRN 80-62-6
CMF C5 H8 O2



RN 543725-94-6 HCA
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with α-[dimethyl(2-methyl-2-propenyl)silyl]-ω-[(trimethylsilyl)oxy]poly[oxy(dimethylsilylene)], 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate and α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl), graft (9CI) (CA INDEX NAME)

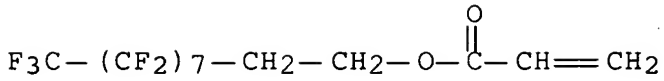
CM 1

CRN 543725-88-8
CMF (C2 H6 O Si)n C9 H22 O Si2
CCI PMS



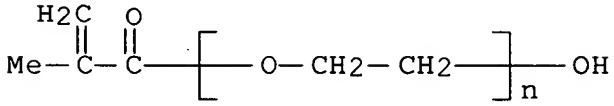
CM 2

CRN 27905-45-9
CMF C13 H7 F17 O2



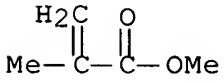
CM 3

CRN 25736-86-1
CMF (C2 H4 O)n C4 H6 O2
CCI PMS



CM 4

CRN 80-62-6
CMF C5 H8 O2



IC ICM G03F007-004
ICS G03F007-11
CC 74-4 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
Section cross-reference(s): 38, 42
ST polymer surfactant photoimaging material **liq crystal** display color filter
IT **Liquid crystal** displays
Optical filters
(image forming material contg. specified polymer surfactant suitable for manufg. **liq. crystal** display color filter)

IT Photoimaging materials
(photopolymerizable; image forming material contg. specified polymer surfactant suitable for manufg. **liq. crystal** display color filter)

IT **130005-92-4** 543725-89-9 543725-90-2 543725-91-3
543725-92-4 543725-93-5 **543725-94-6** 543725-95-7
543725-96-8 543725-97-9 543725-98-0 543725-99-1 543726-00-7
543726-01-8 543726-02-9 543726-03-0 543726-04-1 543726-05-2
543726-06-3 543726-07-4 543726-08-5
(surfactant; image forming material contg. specified polymer surfactant suitable for manufg. **liq. crystal** display color filter)

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT